

EVOLUTION!

World's quickest splicing 7sec. / tube-heating 14sec.



Single Fiber Fusion Splicer **Fujikura 80S** Core-to-Core alignment, Dual-axis observation system

Automated wind-protector.



- World's quickest splicing 7sec. / tube-heating 14sec.
- Minimal manual operation. Splice in 4 steps.
- Multi-functional carrying case with integrated work station.
- Absolute robustness.



SPECIFICATIONS

Applicable fibers	Single / SMF (G.652/657), MMF (G.651), DSF (G.653), NZDSF (G.655)
Cladding dia.	80-150µm
Cleave length	5mm to 16mm with sheath clamp
Splice mode / heating mode	Total 100 splice modes / 30 heating modes
Splice loss	0.02dB (SM), 0.01dB (MM), 0.04dB (DSF) and 0.04dB (NZDS) Measured by cut-back method relevant to ITU-T and IEC standards.
Splice time / tube heating time	Typical 7sec with SM / Typical 14sec with FP-03 (60mm) sleeve
Splice result storage	Last 2000 splices
Viewing methods / magnification	2 axis CMOS camera with 4.73" color LCD. X / Y (320X magnification), or both X and Y simultaneously (200X magnification)
Tension test	1.96 to 2.25N
Applicable protection sleeve	60mm, 40mm and Fujikura micro sleeves
No. of splice / heating per battery full charge	Typical 200 cycles with BTR-09
Electrode life	3000 splices
Size / weight	146W x 159D x 150H (mm) / 2.7kg (including battery)
Operating condition	Altitude : 0 to 5,000m above sea level, Wind : 15m/sec Temperature : -10 to 50deg C, Humidity : 0 to 95%RH, non-dew
Resistance features*1	Shock : 76cm (30inch) all surface drop Dust : Exposure to dust (0.1 to 500µm dia Alumina Silicate), IP5X Rain : H=10mm/hr for 10min, IPX2
Other features	PC software upgrade / data management
Terminals	USB 2.0 (Mini-B type) connector for PC communication. 6-pin Mini-DIN connector for HJS-02 or HJS-03 power supply.

*1:Carried out in Fujikura labs in Japan. The shock resistance, dust resistance and rain resistance test do not guarantee that the product will not be damaged under these conditions.

ACCESSORIES

Description	Model No.
High precision single fiber cleaver	CT-05 (for single fiber)
High precision fiber cleaver	CT-30 series (for single to 12 ribbon fibers)
Primary coat stripper	PS-02
Nylon jacket stripper	JS-01
Thermal jacket stripper	HJS-02, HJS-03
Protection sleeve	FP-03 / 03 (L=40) and FPS01series

OPTIONAL ITEMS

Description	Model No.	SET
Fiber holder	FH-60-250 (coating dia. 250µm)	1pair
	FH-60-900 (coating dia. 900µm)	1pair
	FH-60-DC250 (coating dia. of 250µm in drop cable)	1pair
	FH-FC-20 (coating dia. of 900µm in 2.0mm Sheath dia.)	1pc
	FH-FC-30 (coating dia. of 900µm in 3.0mm Sheath dia.)	1pc
Sheath clamp	FH-60-LT900 (900µm dia. loose buffer fiber)	2pcs
	CLAMP-S70A (included in standard package)	1pair
Battery pack	CLAMP-S70B (900µm dia. loose buffer fiber)	1pair
Battery pack	BTR-09 (Li-ion)*2	1pc
Battery charge cord	DCC-18	1pc
DC power cord	DCC-12 (for cigar-socket)	1pc
	DCC-13 (with alligator clamp)	1pc
Electrodes	ELCT2-20A	1pair

*2:all senders have to obey the IATA regulation in case of Li-ion battery transportation by air.

STANDARD PACKAGE

Description	Model No.	Q'ty
Fusion splicer	80S	1pc
AC adapter	ADC-18	1pc
AC power cord	ACC-XX XX=14 (JP/US),15 (EU),16 (UK),17 (AU)	1pc
Carrying case	CC-30	1pc
Spare electrodes	ELCT2-20A	1pair
Instruction manual CD	M-80 (Manual and PC software)	1pc
Quick reference guide	Q-80S/19S-E (English)	1pc
Warning and cautions	W-80-E	1pc
USB cable	USB-01	1pc
Sleeve loader	SL-01	1pc
Alcohol pot	AP-01	1pc
Screw driver	SC-01	1pc

STANDARD PACKAGE



Specifications and descriptions are subject to change without prior notice.

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